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STATEMENT BY APPLICANT**  
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Sheet

1

of 2

Application Number

Filing Date

First Named Inventor

Kai H. Chang

Art Unit

Examiner Name

Attorney Docket Number 6-17-28

**U. S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup> ( <i>if known</i> ) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
|                    |                       | US- 4,820,322  |                                | Baumgart, et al.                                   |   |
|                    |                       | US- 6,131,415  |                                | Chang, et al.                                      |   |
|                    |                       | US- 4,445,918  |                                | Modone, et al.                                     |   |
|                    |                       | US- 4,583,997  |                                | Stuadigl   |   |
|                    |                       | US- 5,389,230  |                                | Modone, et al.                                     |   |
|                    |                       | US- 4,685,945  |                                | Freund   |   |
|                    |                       | US- 5,930,420  |                                | Atkins, et al.                                     |   |
|                    |                       | US- 5,500,031  |                                | Atkins, et al.                                     |   |
|                    |                       | US- 4,515,612  |                                | Burrus, et al.                                     |   |
|                    |                       | US- 3,933,454  |                                | DuLuca   |   |
|                    |                       | US- 6,499,318  |                                | Lemaire, et al.                                    |   |
|                    |                       | US- 3,791,714  |                                | Maurer   |   |
|                    |                       | US- 2002/0073741A1   |                                | Ishida   |   |
|                    |                       | US- 2002/0090183A1   |                                | Tuminaro   |   |
|                    |                       | US-  |                                |  |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> ( <i>if known</i> ) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>6</sup> |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
|                    |                       | EP 1182176A1  | 02/27/02                       | Alcatel  |   |                |
|                    |                       | JP60090852  | 05/22/85                       | Furukawa   |   |                |
|                    |                       |   |                                |  |   |                |
|                    |                       |   |                                |  |   |                |
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| (Use as many sheets as necessary)             |   |    |   | Application Number     |              |
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|   |   |    |   | First Named Inventor   | Kai H. Chang |
|   |   |    |   | Art Unit               |              |
|   |   |    |   | Examiner Name          |              |
| Sheet   | 2 | of | 2 | Attorney Docket Number | 6-17-28      |

## **NON PATENT LITERATURE DOCUMENTS**

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